



OIPE

RAW SEQUENCE LISTING

DATE: 11/21/2002

PATENT APPLICATION: US/09/770,169A

TIME: 11:20:53

Input Set : A:\UC053.001A.2.txt

Output Set: N:\CRF4\11212002\I770169A.raw

4 <110> APPLICANT: Saxon, Andrew
 5 Zhang, Ke
 6 <120> TITLE OF INVENTION: IMMUNOGLOBULIN CLASS SWITCH
 7 RECOMBINATION
 8
 9 <130> FILE REFERENCE: UC053.001A
 10 <140> CURRENT APPLICATION NUMBER: 09/770,169A
 C--> 13 <141> CURRENT FILING DATE: 2002-11-04
 14 <150> NUMBER OF SEQ ID NOS: 108
 15 <160> SOFTWARE: FastSeq for Windows Version 4.0
 16 <210> SEQ ID NO: 1
 17 <211> LENGTH: 17
 18 <212> TYPE: DNA
 19 <213> ORGANISM: Artificial Sequence
 20 <214> FEATURE:
 21 <215> OTHER INFORMATION: Artificial Sequence = synthetic peptide
 22 <400> SEQUENCE: 1
 23 attgctcggg cggcgccatc accggag 27
 24 <210> SEQ ID NO: 2
 25 <211> LENGTH: 11
 26 <212> TYPE: DNA
 27 <213> ORGANISM: Artificial Sequence
 28 <214> FEATURE:
 29 <215> OTHER INFORMATION: Artificial Sequence = synthetic peptide
 30 <400> SEQUENCE: 2
 31 attctcactt gggatggcct ctacactcc t 31
 32 <210> SEQ ID NO: 3
 33 <211> LENGTH: 12
 34 <212> TYPE: DNA
 35 <213> ORGANISM: Artificial Sequence
 36 <214> FEATURE:
 37 <215> OTHER INFORMATION: Artificial Sequence = synthetic peptide
 38 <400> SEQUENCE: 3
 39 ctgagaagctt tattcccgta gt 22
 40 <210> SEQ ID NO: 4
 41 <211> LENGTH: 24
 42 <212> TYPE: DNA
 43 <213> ORGANISM: Artificial Sequence
 44 <214> FEATURE:
 45 <215> OTHER INFORMATION: Artificial Sequence = synthetic peptide
 46 <400> SEQUENCE: 4
 47 cgcacaagctt agttcttatt ggta 24
 48 <210> SEQ ID NO: 5
 49 <211> LENGTH: 28

ENTERED

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65 <212> TYPE: DNA
66 <213> ORGANISM: Artificial Sequence
68 <220> FEATURE:
69 <223> OTHER INFORMATION: Artificial Sequence = synthetic peptide
71 <400> SEQUENCE: 5
72 atctagatgg cttaactgag cctaaagt          28
74 <210> SEQ ID NO: 6
75 <211> LENGTH: 16
76 <212> TYPE: DNA
77 <213> ORGANISM: Artificial Sequence
79 <220> FEATURE:
90 <223> OTHER INFORMATION: Artificial Sequence = synthetic peptide
91 <400> SEQUENCE: 6
92 atgtttcagg ttacggggga ggtgtg          26
93 <210> SEQ ID NO: 7
94 <211> LENGTH: 14
95 <212> TYPE: DNA
96 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
99 <223> OTHER INFORMATION: Artificial Sequence = synthetic peptide
99 <400> SEQUENCE: 7
99 ggtatgagat taactgggtg aact          24
99 <210> SEQ ID NO: 8
99 <211> LENGTH: 8
99 <212> TYPE: DNA
99 <213> ORGANISM: Artificial Sequence
101 <220> FEATURE:
102 <223> OTHER INFORMATION: Artificial Sequence = synthetic peptide
104 <400> SEQUENCE: 8
105 agctctcagt ggtatggact cacactccct          30
105 <210> SEQ ID NO: 9
106 <211> LENGTH: 18
107 <212> TYPE: DNA
108 <213> ORGANISM: Artificial Sequence
110 <220> FEATURE:
111 <223> OTHER INFORMATION: Artificial Sequence = synthetic peptide
113 <400> SEQUENCE: 9
114 aggttttatt ggtatgattt atcacagt          28
114 <210> SEQ ID NO: 10
115 <211> LENGTH: 17
116 <212> TYPE: DNA
117 <213> ORGANISM: Artificial Sequence
118 <220> FEATURE:
119 <223> OTHER INFORMATION: Artificial Sequence = synthetic peptide
120 <400> SEQUENCE: 10
121 caaacatctc caagccaggca gaagtat          27
121 <210> SEQ ID NO: 11
122 <211> LENGTH: 29
123 <212> TYPE: DNA

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132 <212> ORGANISM: Artificial Sequence
134 <210> FEATURE:
135 <215> OTHER INFORMATION: Artificial Sequence = synthetic peptide
137 <400> SEQUENCE: 11
138 ggaactat ct'acccga tacaacctg
139 <210> SEQ ID NO: 12
141 <211> LENGTH: 27
142 <212> TYPE: DNA
143 <213> ORGANISM: Artificial Sequence
145 <215> FEATURE:
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148 <400> SEQUENCE: 12
149 tttgcaga cat'ccatc actggag
150 <210> SEQ ID NO: 13
152 <211> LENGTH: 27
153 <212> TYPE: DNA
154 <213> ORGANISM: Artificial Sequence
156 <215> FEATURE:
157 <215> OTHER INFORMATION: Artificial Sequence = synthetic peptide
159 <400> SEQUENCE: 13
160 apatctcag gaa'ccaca gggag
161 <210> SEQ ID NO: 14
163 <211> LENGTH: 21
164 <212> TYPE: DNA
165 <213> ORGANISM: Artificial Sequence
167 <215> FEATURE:
168 <215> OTHER INFORMATION: Artificial Sequence = synthetic peptide
170 <400> SEQUENCE: 14
171 gttgatgac cca'gggtgt a
172 <210> SEQ ID NO: 15
174 <211> LENGTH: 15
175 <212> TYPE: DNA
176 <213> ORGANISM: Artificial Sequence
178 <215> FEATURE:
179 <215> OTHER INFORMATION: Artificial Sequence = synthetic peptide
181 <400> SEQUENCE: 15
182 tttcccttg agc'aaagtg gccaa
183 <210> SEQ ID NO: 16
185 <211> LENGTH: 14
186 <212> TYPE: DNA
187 <213> ORGANISM: Artificial Sequence
189 <215> FEATURE:
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192 <400> SEQUENCE: 16
193 tttaacaa ggg'acgtgct catt
194 <210> SEQ ID NO: 17
196 <211> LENGTH: 22
197 <212> TYPE: DNA
198 <213> ORGANISM: Artificial Sequence

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200 <220> FEATURE:
201 <220> OTHER INFORMATION: Artificial Sequence = synthetic peptide
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206 <210> SEQ ID NO: 15
207 <211> LENGTH: 12
208 <212> TYPE: DNA
209 <213> ORGANISM: Artificial Sequence
211 <220> FEATURE:
212 <220> OTHER INFORMATION: Artificial Sequence = synthetic peptide
214 <400> SEQUENCE: 18
215 gccacgtt a cttacatca ac 22
217 <210> SEQ ID NO: 19
218 <211> LENGTH: 10
219 <212> TYPE: DNA
220 <213> ORGANISM: Homo sapiens
222 <400> SEQUENCE: 19
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225 <210> SEQ ID NO: 20
226 <211> LENGTH: 40
227 <212> TYPE: DNA
228 <213> ORGANISM: Homo sapiens
230 <400> SEQUENCE: 20
231 tgggttacc tgggttgtg gaagccagga ccagccagggg 40
233 <210> SEQ ID NO: 21
234 <211> LENGTH: 19
235 <212> TYPE: DNA
236 <213> ORGANISM: Homo sapiens
238 <400> SEQUENCE: 21
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242 <211> LENGTH: 40
243 <212> TYPE: DNA
244 <213> ORGANISM: Homo sapiens
246 <400> SEQUENCE: 22
247 caaacaggc caactgggt gagctgagct gaactgggt 40
249 <210> SEQ ID NO: 23
250 <211> LENGTH: 40
251 <212> TYPE: DNA
252 <213> ORGANISM: Homo sapiens
254 <400> SEQUENCE: 23
255 caaacaggc caactgggt ggcaggagct gggtagttagc 40
257 <210> SEQ ID NO: 24
258 <211> LENGTH: 40
259 <212> TYPE: DNA
260 <213> ORGANISM: Homo sapiens
262 <400> SEQUENCE: 24
263 caactcagt cctagatttt ggcaggagct gggtagttagc 40
265 <210> SEQ ID NO: 25

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Input Set : A:\UC053.001A.2.txt

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266 <211> LENGTH: 40
267 <212> TYPE: DNA
268 <213> ORGANISM: Homo sapiens
270 <400> SEQUENCE: 26
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273 <210> SEQ ID NO: 26
274 <211> LENGTH: 40
275 <212> TYPE: DNA
276 <213> ORGANISM: Homo sapiens
278 <400> SEQUENCE: 26
279 ctgaactcgg ttgagctgag cagagcagag gccactgagg 40
281 <210> SEQ ID NO: 27
282 <211> LENGTH: 40
283 <212> TYPE: DNA
284 <213> ORGANISM: Homo sapiens
286 <400> SEQUENCE: 27
287 ctttcacgga ctgactcag cagagcagag gccactgagg 40
289 <210> SEQ ID NO: 28
291 <211> LENGTH: 39
292 <212> TYPE: DNA
293 <213> ORGANISM: Homo sapiens
294 <400> SEQUENCE: 28
295 ctgactcaga tgaacgggtc agcgggctga gctgagctg 39
297 <210> SEQ ID NO: 29
298 <211> LENGTH: 40
299 <212> TYPE: DNA
300 <213> ORGANISM: Homo sapiens
302 <400> SEQUENCE: 29
303 ctgactcaga tgaacgggtc agcctcctgg tgccgggaag 40
305 <210> SEQ ID NO: 30
306 <211> LENGTH: 40
307 <212> TYPE: DNA
308 <213> ORGANISM: Homo sapiens
310 <400> SEQUENCE: 30
311 gctcagtcga agtcagtgcc agcctcctgg tgccaggaag 40
313 <210> SEQ ID NO: 31
314 <211> LENGTH: 40
315 <212> TYPE: DNA
316 <213> ORGANISM: Homo sapiens
318 <400> SEQUENCE: 31
319 agcagagctga cccagcagag cagaggccac tgaggagctg 40
321 <210> SEQ ID NO: 32
322 <211> LENGTH: 40
323 <212> TYPE: DNA
324 <213> ORGANISM: Homo sapiens
326 <400> SEQUENCE: 32
327 agcagagctga cccagcagag ctgagcgggg ccgagcgggg 40
329 <210> SEQ ID NO: 33
330 <211> LENGTH: 39

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/770,169A

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Input Set : A:\UC053.001A.2.txt

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1:15 M:271 C: Current Filing Date differs, replaced Current Filing Date